

genitalia, left profile; 6, apices of anterior hamuli; 7, occiput and vertex.

Figs. 8-10, *Gomphus exilis* Selys. 8, Anal appendages, dorsal view; 9, same, profile; 10, accessory genitalia, left profile.

A New Geranium Aphid (Homoptera: Aphididae).¹

By GEORGE F. KNOWLTON.²

The following report deals with aphids known to attack *Geranium* sp. in Utah or nearby. One species is described as new and the previously undescribed alate vivipara of *Macrosiphum aetheocornum* S.-K. is briefly described and figured.

Key to Intermountain Geranium Aphids.

1. Cornicles swollen *Amphorophora geranii* (G.-P.)
 Cornicles cylindrical 2
2. Head without prominent antennal tubercles, *Aphis rumicis* L.
 Head with prominent antennal tubercles 3
3. Hairs on vertex conspicuously capitate
 Capitophorus cefsmithi n. sp.
 Hairs on vertex not conspicuously capitate 4
4. Hairs absent from cornicles
 Macrosiphum solanifolii (Ashm.)
 Hairs present on cornicles 5
5. Cornicles reticulated *Macrosiphum aetheocornum* S.-K.
 Cornicles without reticulations
 Macrosiphum crenicornum S.-K.

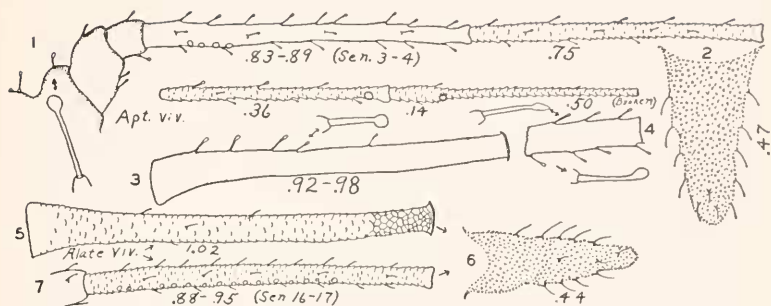
Capitophorus cefsmithi n. sp.³ Figs. 1-4.

Apterous vivipara: Size 3.2 mm. long, 1.9 cross the abdomen and 0.63 mm. width of head through eyes; antennal III, 0.83 to 0.89 mm. with 3 to 4 sensoria; IV, 0.75 mm.; V, 0.36; base of VI, 0.14 mm., unguis 0.5 plus (broken); rostrum reaching third coxae, rostral IV plus V, 0.19 mm., slenderly obtuse; legs rather stout, hind tibiae 2.6; hind tarsi 0.14; cornicles pale, 0.92 to 0.98, and armed with several capitate hairs; cauda pale, 0.44 mm.; cuticula of body rather rugulose, especially on sides of thorax.

¹ Contribution from the Department of Entomology, Utah Agricultural Experiment Station.

² Research associate professor.

³ The writer is indebted to Dr. C. F. Smith for his opinion concerning this species and for making the drawings.



Capitophorus cefsmithi n. sp. Aptera, 1-4. *Macrosiphum aetheocorum* S.-K. Alate, 5-7.

Collection: On wild *Geranium* in Cowley Canyon of Logan Canyon, Utah, May 31, 1934 (T. O. Thatcher).

Type: In the collection of the writer.

Taxonomy: This species resembles *Macrosiphum crenicorum* S.-K. (which also occurs on wild *Geranium* in Utah) but differs in having conspicuously capitate hairs on head and cornicles.

MACROSIPHUM AETHEOCORNUM S.-K. Figs. 5-7.

Alate vivipara: Body 2.65 mm. long antennae dusky beyond base of III; antennal III, 0.88 to 0.95 with 16 to 17 sensoria; V, 0.84; rostral IV plus V, 0.176 mm. long, slenderly obtuse; cornicles 0.96 to 1.02, distal 0.16 reticulated; cauda 0.44 mm. long, pale.

One alate female of this species was present among material collected upon wild *Geranium* at Tony Grove Ranger Station in Logan Canyon, Utah, July 18, 1939 (Knowlton). This species may be separated from *Macrosiphum solanifolii* (with which it often occurs) by the presence of hairs on the cornicles.

Rocky Mountain Conference of Entomologists

The sixteenth Rocky Mountain Conference of Entomologists will be held at the Cameron Pass Camp, a rebuilt CCC camp about 75 miles west of Fort Collins, Colorado, August 18 to 23, 1940.

This meeting will again be informal in nature, with arrangements such that the entire family can enjoy a mountain outing